MC Production Status

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CDF Simulation Meeting

Status

Future Production

Winter Production

- ## Exotics
  - Alpgen+Herwig $Z(\nu\nu)$+2p   1M   zexo5j   done   @FNAL   Toronto
  - Alpgen+Herwig $Z(\mu\mu)$+2p   1M   zexo6j   done(still needed?)Toronto
  - Alpgen+Herwig $Z(\nu\nu)$+2b   1M   zexo7j   done   Toronto
    - Output files renamed with right Run, run_section numbers encoding
    - Waiting for Ming's validation

- ## B group
  - B_semimuonic_581 Pythia   120M (filtrd)   done @FNAL   Toronto
    - ~24000 files: hepg (~100MB) + mcprod (~1MB)
    - CPU consuming jobs (7-12h)

- ## QCD
  - Pythia dijet pT=10 (0 MB)   6M   jqcd6i   running   Toronto
  - Herwig dijet pT=10 (0 MB)   4M   jqcd7i   queued   Toronto
  - Pythia γ incl pT=10 (Poisson MB)   5M   jqcd8i   queued   Toronto
  - Pythia γ + W/Z pT=10 (Poisson MB) 2M   jqcd9i   queued   Toronto
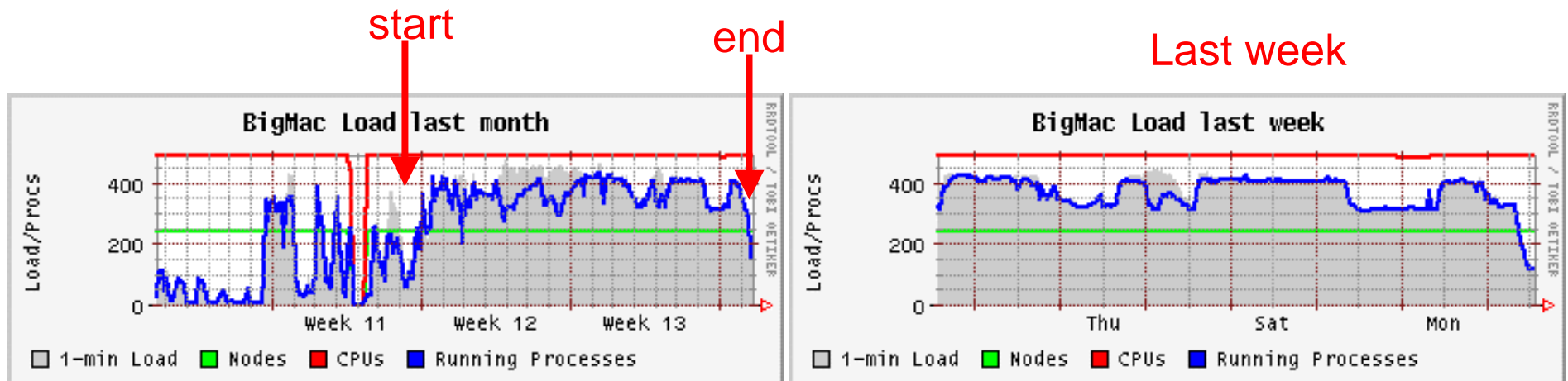
Winter Production

- ## Top

  - ttbar, m_t=178, FSRmoreB 0.5M   ttopkr   Done   In DFC   Toronto
  - ttbar, m_t=178, FSRmoreC 0.5M   ttoplr   Done   In DFC   Toronto
  - ttbar, m_t=178, FSRlessC 0.5M   ttopor   Done   in DFC   Toronto
  - $Z \rightarrow \mu\mu$,0p,   hepg   ntop4o   Done   in DFC   Toronto
  - $Z \rightarrow \mu\mu$,1p,   hepg   ntop5o   Done   in DFC   Toronto
  - $Z \rightarrow \mu\mu$,2p,   hepg   ntop6o   Done   in DFC   Toronto
  - $Z \rightarrow \mu\mu$,3p,   hepg   ntop7o   Done   in DFC   Toronto
  - $Z \rightarrow ee$,0p,   hepg   ntop4o   Done   in DFC   Toronto
  - $Z \rightarrow ee$,1p,   hepg   ntop4o   Done   in DFC   Toronto

B-sample

- The largest sample processes in Toronto
- more than 2 weeks of continuous running
- About 300 CPU's
- 250K events out of 120M events before fiter
- 2 x 12000 output files
- Fortunately not large files (1MB - 100MB)

Summary and plans

- **News on production packages:**
  - New Good Run List v7.0 (up to Aug. 2004) OK now.
  - Merging different patches/fixes
    - Updates in scripts/tcl's
    - TrigSim++ Fix
- **Scientific Linux platform Validation**
  - Toronto cluster upgrade to SLC3 underway
    - Already 12 nodes (24 CPU's) upgraded
    - Plans to complete it by the end of April.
  - Batch queuing system being changed to Condor
  - Initial tests (100 events jqcd6i) work well
    - No change in CPU or memory usage

  Planning to run the same sample on RH73 and SLC3 this week.